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TITLE: Antireflective agents, films for protecting polarizing
panels and the panels

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PATENT ASSIGNEE(S): Konica Co., Japan

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AB The agents with good adhesion to transparent substrate surface and resistance to scratching, are obtained from F-contg. monomers selected from fluoro(cyclo)alkyl (meth)acrylates, YOOCC₂H:CR1COOZ [R1 = H, Me; Y, Z = (F-contg.) C2-12 alkyl, (F-contg.) C4-12 cycloalkyl (provided at least either Y or Z contains F)], CH₂C(COOY)CH₂COOZ, or/and F-contg. esters of 4,5-dicarboxycyclohexene. Thus, coating a soln. contg. dipentaerythritol hexaacrylate 60, dipentaerythritol hexaacrylate dimer 20, dipentaerythritol hexaacrylate oligomer (.gtoreq.3) 20, diethoxybenzophenone UV initiator 2, a ***silicone***
surfactant 1, Aerosil R 972 (treated fumed silica) 50, MEK 50, AcOEt 50 and i-PrOH 50 parts on the surface of a Konitac 80UVSH (cellulose triacetate) film, irradiating with UV light, coating on top with a soln. contg. 3,3,4,4,5,5,6,6-octafluorohexyl methacrylate 45, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-heptafluorononylene glycol diacrylate 45, dipentaerythritol hexaacrylate 10, diethoxybenzophenone 0.2, F 177 (F-contg. ***surfactant***) 1, cyclohexanone 3500 and i-PrOH 7700 parts, drying and irradiating with UV light gave a coated film with reflective index 1.37, cross-cut adhesion 100/100 and good resistance to scratching.

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